L Number	Hits	Search Text	DB	Time stamp
2	0	369/\$7.ccls. and (phase adj change) and	USPAT	2004/07/07
	Ŭ	((chalcogenide getesb aginsbte) with preferred)		08:57
	40		USPAT	2004/07/07
3	48	369/\$7.ccls. and (phase adj change) and	USPAI	09:00
		((chalcogenide getesb aginsbte) with		09:00
		(prefer\$4 superior better high\$3 low\$3		
		fast\$3 slow\$3 enhanc\$3 improv\$5))		
4	67	369/\$7.ccls. and (phase adj change) and	USPAT	2004/07/07
1		((chalcogen\$3 getesb aginsbte) with	ļ	10:21
1		(prefer\$4 superior better high\$3 low\$3	1	
		fast\$3 slow\$3 enhanc\$3 improv\$5))		
5	498	369/\$7.ccls. and (phase adj change) and	USPAT	2004/07/07
	400	((first never) near3 use\$1)		10:23
] _	2.5	369/\$7.ccls. and (phase adj change) and	USPAT.	2004/07/07
6	35	369/\$/.ccis. and (phase adj change) and	USFAI	10:52
		(((first never) near3 use\$1) with		10.52
ŀ		(check\$3 determin\$5 find\$3 found))		0004/07/07
7	111	369/\$7.ccls. and (phase adj change) and	USPAT	2004/07/07
		((blank new empty un\$1used) with (check\$3		10:53
		determin\$5 find\$3 found))		, 1
8 1	48	369/\$7.ccls. and (phase adj change) and	USPAT	2004/07/07
		((blank new empty un\$1used) with (check\$3		10:53
		determin\$5 find\$3 found) with (disc disk		1
[medium))	1	
	0	((phase adj chang\$3) and (asymmetric\$4	USPAT	2004/07/01
	l	((pridate au) criarigys) and (asymmetricy)		11:46
		with (transition chang\$3))) and		
!	_	369.\$7.ccls.	110000	2004/07/01
1 - 1	116	(phase adj chang\$3) and (asymmetric\$4	USPAT	2004/07/01
		with (transition chang\$3))		11:48
-	115	369/100.ccls. and (phase adj change)	USPAT	2004/07/01
				11:48
-	64	369/100.ccls. and (phase adj change) and	USPAT	2004/07/01
		((chang\$3 transition\$3) with (time period		11:49
		length))		
_	12	369/100.ccls. and (phase adj change) and	USPAT	2004/07/01
	12	((transition\$3) with (time period		12:05
		length))		
	450	369/\$7.ccls. and (phase adj change) and	USPAT	2004/07/01
-	450	((writ\$3 record\$3) near3 (power current	USIAI	12:02
		((Writs3 records3) hears (power current		12.02
		intensit\$3 level)) and ((eras\$3) near3		
1	İ	(power current intensit\$3 level))	*******	2004/07/01
-	174	369/\$7.ccls. and ((phase adj change) same	USPAT	2004/07/01
1		((writ\$3 record\$3) near3 (power current		12:02
1		intensit\$3 level)) same ((eras\$3) near3		
		(power current intensit\$3 level)))		
-	1	369/100.ccls. and (phase adj change) and	USPAT	2004/07/01
		(transition\$3 adj time)		12:15
_	3		USPAT	2004/07/01
	1	(asymmetric)		12:17
_	0	369/\$7.ccls. and (phase adj change) and	USPAT	2004/07/01
		(crystal\$8 same amorphos)		12:18
1_	825		USPAT	2004/07/01
1	625	(crystal\$8 same amorphous)		12:18
		(Crystargo same amorphous)	USPAT	2004/07/01
-	826	369/\$7.ccls. and (phase adj change) and	JOEAT	12:18
		(crystal\$8 same amorphous\$7)	HEDAT	2004/07/01
_	322	369/\$7.ccls. and (phase adj change) and	USPAT	
		(crystal\$8 same amorphous\$7 same cool\$3)		12:19
-	57		USPAT	2004/07/01
		(crystal\$8 same amorphous\$7 same (cool\$3		12:32
		with (time period)))		
_	26	369/\$7.ccls. and (phase adj change) and	USPAT	2004/07/06
		(crystal\$8 same amorphous\$7 same (cool\$3	1	12:49
		with (time period)) same (writ\$3		
1		record\$3) same (eras\$3))		
1_	5		USPAT;	2004/07/01
1 -		mangro pecer. in.	US-PGPUB;	15:53
	1		EPO; JPO	-3.33
	_	260/07 1 and //phase add shangs\ same	USPAT	2004/07/01
	9		OSEMI	17:28
	<u> </u>	(bulk with eras\$3))	<u> </u>	11.20

-	1	369/\$7.ccls. and (phase adj change) and	USPAT	2004/07/01
		(crystal\$8 same amorphous\$7 same (cool\$3		16:00
		with (time period)) same (writ\$3		
		record\$3) same (eras\$3)) and		
į		(chalcogenide adj alloy)		
-	22	369/\$7.ccls. and (chalcogenide adj alloy)	USPAT	2004/07/01
				16:05
-	12	369/\$7.ccls. and (chalcogenide adj alloy)	USPAT	2004/07/01
		and (phase adj change)		16:11
-	2	369/\$7.ccls. and (heat\$3 with transistor)	USPAT	2004/07/01
		and (phase adj change)		16:13
-	127	(heat\$3 with transistor) and (phase adj	USPAT	2004/07/01
		change)		16:13
-	2	(heat\$3 with (transistor near3	USPAT	2004/07/01
		address\$4)) and (phase adj change)		16:16
-	9	(heat\$3 with transistor with (select\$5	USPAT	2004/07/01
		address\$4)) and (phase adj change)		16:23
-	247	(((crystal\$8 same amorphos\$8) (phase adj	USPAT	2004/07/01
		change)) same (heat\$3 with current))		16:25
-	0	(((crystal\$8 same amorphos\$8) (phase adj	USPAT	2004/07/01
		change)) same (heat\$3 with current)) and		16:35
		(resist\$5 same crystal\$8 same amorphos\$8)		
-	5	resist\$5 same crystal\$8 same amorphos\$8	USPAT	2004/07/01
		•		16:35
-	9	369/\$7.ccls. and ((phase adj change) same	USPAT	2004/07/01
		((bulk with eras\$3) priming))		17:29
_	9	369/\$7.ccls. and ((phase adj change) same	USPAT	2004/07/01
		((bulk with eras\$3) (priming with		17:55
		initial\$7)))		
-	3	369/\$7.ccls. and ((phase adj change) same	USPAT	2004/07/01
		(initial\$7 with crystal\$8)) and ((check\$3		18:05
		determin\$5) with (((previous\$2 before		
ł		already past) with (used writ\$3		
		recording)) (un\$linitial\$7 ("not" adj		
ļ		initial\$7))))		
_	2	369/\$7.ccls. and ((phase adj change) same	USPAT	2004/07/01
1] -	(initial\$7 with crystal\$8)) and (eras\$4		18:13
		adj4 before adj4 (record\$3 writ\$3))		
_	146		USPAT	2004/07/01
	110	(indicat\$3 with (record\$3 writ\$3 used		18:23
		usage) with (previous\$2 before\$5 past))		
_	2	1 5	USPAT	2004/07/01
	-	(indicat\$3 with (record\$3 writ\$3 used	******	18:27
		usage) with (previous\$2 before\$5 past))		
		and (eras\$3 with ((recorded written) adj	ĺ	
	i	(data information)) with (prior		
	1	previous\$2 before\$5))		
_	14	17	USPAT	2004/07/06
		(indicat\$3 with (record\$3 writ\$3 used		09:06
		usage) with (previous\$2 before\$5 past))		1
		and (eras\$3 with ((recorded written) adj		
		(data information)))		
-	484	369/\$7.ccls. and (phase adj change) and	USPAT	2004/07/06
		((eras\$3 set\$4 re\$1set\$3) with (crystal\$8		09:12
		((first second) near2 (state phase))))		
1_	421	369/\$7.ccls. and (phase adj change) and	USPAT	2004/07/06
		((eras\$3 set\$4 re\$1set\$3) with (crystal\$8		09:13
		((first second) near2 (state phase))))		
		and ((record\$3 writ\$3) with		
		(amo\$1rphous\$7 ((first second) near2		
		(state phase))))		
1_	86	1 1	USPAT	2004/07/06
		((eras\$3 set\$4 re\$1set\$3) with (crystal\$8		11:00
		((first second) near2 (state phase)))		
		with (used ((previous before\$5) near2		
		(record\$3 writ\$3)))) and ((record\$3		ļ
		writ\$3) with (amo\$1rphous\$7 ((first		
		second) near2 (state phase))))		
1_	11		USPAT	2004/07/06
-	1	(~4320469° 4403318° 4472746° "4527173" "4569881" "4574366"	33171	10:04
		"4639907" "4656079" "4679184"		10.04
L	L	"4710911" "4712207").PN.		

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•				
_	26	((eras\$3 set\$4 re\$1set\$3) with (crystal\$8	USPAT	2004/07/06 10:12
		((first second) near2 (state phase))) with (used ((previous before\$5) near2		
		<pre>(record\$3 writ\$3)))) and ((record\$3 writ\$3) with (amo\$1rphous\$7 ((first second) near2 (state phase))))) and</pre>		
		chalcogenide		
-	0	20030128646.URPN.	USPAT	2004/07/06
_	510	369/\$7.ccls. and (phase adj change) and	USPAT	2004/07/06
		(((eras\$3 crystal\$8) with (time speed)) same ((writ\$3 recording amorphous\$7) with	,	11:02
		(time speed)))		
-	210	369/\$7.ccls. and (phase adj change) and	USPAT	2004/07/06
		<pre>(((eras\$3 crystal\$8) with (time speed)) same ((writ\$3 recording amorphous\$7) with</pre>		11:03
		(time speed))) and ((amorphous\$7 with		
		(writ\$3 recording)) same (crystal\$8 with		
		(eras\$3 re\$1set\$3)))		
-	56		USPAT	2004/07/06
		(((eras\$3 crystal\$8) with (time speed))		11:25
		<pre>same ((writ\$3 recording amorphous\$7) with (time speed))) and ((amorphous\$7 with</pre>		
		(writ\$3 recording)) same (crystal\$8 with		
		(eras\$3 re\$1set\$3))) and chalcogenide		
-	21	369/\$7.ccls. and (phase adj change) and	USPAT	2004/07/06
		(((eras\$3 crystal\$8) near2 (time)) same		11:51
		((writ\$3 recording amorphous\$7) near2 (time))) and ((amorphous\$7 with (writ\$3		
		recording)) same (crystal\$8 with (eras\$3		
		re\$1set\$3))) and chalcogenide		
-	1083	369/\$7.ccls. and ((recording write	USPAT	2004/07/06
		writing amorphousizing amorphousization transition\$3) adj time)		11:53
_	1010	369/\$7.ccls. and ((recording write	USPAT	2004/07/06
		writing amorphousizing amorphousization)		11:53
		adj time)		
-	176		USPAT	2004/07/06
		writing amorphousizing amorphousization) adj time) and (phase adj change)		11:53
_	13		USPAT	2004/07/06
		writing amorphousizing amorphousization)		12:21
		adj time) and (phase adj change) and		
_	10	((crystal\$8 eras\$3) adj time) 369/\$7.ccls. and ((recording write	USPAT	2004/07/06
_	13	writing amorph\$3izing amorph\$3ization)	JULIA	12:22
		adj time) and (phase adj change) and		
		((crystal\$8 eras\$3) adj time)		0004/67/55
-	6	369/\$7.ccls. and (phase adj change) and	USPAT	2004/07/06
		<pre>(crystal\$8 same amorphous\$7 same (cool\$3 with (time period)) same (writ\$3</pre>		12:39
		record\$3) same (eras\$3)) and chalcogenide		
-	0	369/\$7.ccls. and (chalcogenide with	USPAT	2004/07/06
	_	(phase adj change) with preferred)		13:00
_	0	369/\$7.ccls. and ((chalcogenide agtesb	USPAT	2004/07/06
		aginsbte) with (phase adj change) with preferred)		13:02
-	0	369/\$7.ccls. and ((chalcogenide agtesb	USPAT	2004/07/06
		aginsbte) with preferred)		13:02
-	5	("4229808" "4495474" "4545044"	USPAT	2004/07/06
_	0	"4677606" "4682318").PN. ("4229808" "4495474" "4545044"	USPAT	15:55
		"4677606" "4682318").PN. and (phase adj	OSEMI	15:55
		change)		
				